



KING COUNTY
ENGINEER II
DEPARTMENT OF TRANSPORTATION
ROAD SERVICES DIVISION/ TRAFFIC ENGINEERING
Hourly Rate Range \$25.87 - \$32.79 (2004 Rates)
Job Announcement No.: 04SB3939
OPEN: 12/29/03 CLOSE: 1/30/04

WHO MAY APPLY: This position is open concurrently to King County internal candidates and the general public. First consideration will be given to King County internal candidates.

WHERE TO APPLY: Required forms and materials **must** be sent to: **Road Services Division, ATTN: Scott Bruns, 201 S. Jackson St., KSC-TR-0313, Seattle, WA 98104** Application materials must be by 4:00 p.m. on the closing date. For additional information, please contact (206) 263-6143. (Postmarks are NOT ACCEPTED.) **PLEASE NOTE:** Applications not received at the above-specified address will not be processed.

FORMS AND MATERIALS REQUIRED: (1) [A King County application form](#), (2) resume, (3) cover letter addressing how you meet or exceed the required knowledge, skills, and abilities, and (4) a minimum of three names and phone numbers for current and former supervisors.

WORK LOCATION: 201 South Jackson Street, Downtown Seattle and some field work throughout King County

WORK SCHEDULE: This full-time position is overtime eligible. It works a 40-hour workweek; Monday through Friday

PRIMARY JOB FUNCTIONS: Prepare and review traffic studies and level of service analyses. Identify and recommend intersection and corridor improvements to improve safety and capacity. Assist in the development of the Regional Network Studies Program. Develop and implement coordinated/Optimized and Transit Signal Priority (TSP) signal timing plans. Coordinate work efforts between King County and other jurisdictions. Duties and responsibilities include:

- Prepare and review traffic analysis reports
- Investigate and analyze traffic issues; identify and evaluate deficiencies and recommend improvements
- Perform complex calculations to evaluate level of service, signal timing, sight distance, channelization requirements, queue length, etc.
- Conduct field visits to observe and record field conditions and data
- Perform traffic analysis using HCS, TRANSYT-7F, SYNCHRO, SIM-TRAFFIC, and other modeling software
- Develop coordinated and TSP signal timing plans and coordinate the implementation of timing plans with Signal Maintenance staff
- Coordinate the signal optimization of corridors with other jurisdictional agencies

- Assist in preparing grant applications for ITS, capacity and operational improvement projects
- Provide signal operations expertise to various local government agencies

REQUIRED KNOWLEDGE, SKILLS, ABILITIES:

- Knowledge of traffic engineering principles equivalent to a bachelor's degree in civil engineering or in closely related field and two (2) years of progressively responsible experience at a level equivalent to an Engineer II.
- Familiarity with traffic analysis software programs
- Proficient in using Microsoft Access, Word and Excel
- Detail oriented work habits with the ability to work with a high degree of accuracy
- Strong written communications skills as evidenced by technical and business writing
- Skill in preparing and interpreting technical reports
- Strong analytical skills
- Familiarity with MUTCD, FHWA, and AASHTO Guidelines, KCRS, WSDOT Design Manual, and (desirable) ITE Recommended practices
- Ability to effectively communicate orally and in writing.
- Ability to work independently, in a team environment, and with the general public
- Ability to establish and maintain effective working relationships with peers, project leads, and supervisors
- Possession of a valid Washington State Drivers License

HIGHLY DESIRED QUALIFICATIONS

- Public relations skills.
- Prior experience in traffic engineering performing the primary functions of the job (as listed above). Working knowledge of traffic computer modeling software programs and MUTCD, FHWA, and AASHTO Guidelines, KCRS, WSDOT Design Manual, and (desirable) ITE Recommended practices.

NECESSARY REQUIREMENTS: Valid Washington State Drivers License. An offer of employment will be contingent on the success of a pre-employment physical examination.

UNION MEMBERSHIP: Positions in this classification are represented by IFPTE, Local 17A

CLASS CODE: 8508

SEQUENCE #: 2090